

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
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PRODUCT EVALUATION CWSF-28

Effective October 1, 2013

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **August 2016**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code and the Texas Engineering Practice Act.

Series SI 3350 Impact FGW 3 x 8 Panel Outfold All Wall, Impact Resistant, manufactured by

Solar Innovations
31 Roberts Road
Pine Grove, Pennsylvania 17963
Telephone: (570) 915-1500

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions, this product evaluation report, and the design drawings referenced in this evaluation report.

PRODUCT DESCRIPTION

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Series SI 3350 Impact FGW 3 x 8 Out-Fold Aluminum 4 Panel Folding Glass Wall with Panic Hardware; (XXXXXX)	TAS 201/202/203-94	± 65 psf
2	Series SI 3350 Impact FGW 3 x 8 Panel Out-Fold Aluminum 4 Panel Folding Glass Wall; (XXXXXX)	TAS 201/202/203-94	± 80 psf

Component Dimensions:

System	Overall Door Size	Panel Sizes
1	223" x 100 1/2"	36" x 96"
2	223" x 100 1/2"	36" x 96"

Product Identification (Certification Agency Label on the Door):

System		
1	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Solar Innovations, Inc.
	Product Name	Series SI 3350 Impact FGW 3 x 8 Panel Folding Glass Wall with Panic Hardware
	Test Standards	TAS 201/202/203-94
2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Solar Innovations, Inc.
	Product Name	Series SI 3350 Impact FGW 3 x 8 Panel Out-Fold Aluminum 4 Panel Folding Glass Wall
	Test Standards	TAS 201/202/203-94

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

INSTALLATION INSTRUCTIONS

General: The assembly shall be installed in accordance with the manufacturer's installation instructions and this product evaluation. Detailed drawings and installation instructions are available from the manufacturer.

Design Drawings: The aluminum folding glass wall system shall be installed in accordance with Drawing No. 08-01847, titled "SI 3350 Outfold All Wall, dated October 12, 2012, signed and sealed by Luis R. Lomas., P.E on October 12, 2012. The stated drawings will be referred to as the approved drawings in this evaluation report.

Wall Framing Construction: The glass wall panel system may be mounted to several types of wall framing construction. The types of wall framing construction allowed include:

- Concrete (minimum compressive strength: 3,192 psi)
- Wood dimension lumber (minimum Spruce-Pine-Fir, G≥0.42)
- Masonry (ASTM C-90, Grade N, Type 1 or greater)
- Steel (18 gauge, 33 ksi)
- Aluminum (6063-T5, 1/8" thick minimum)

Installation:

- Doors are installed in accordance with the approved drawings.
- The approved drawings indicate the minimum embedment depths for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.